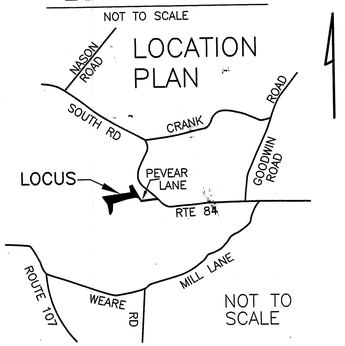
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET HUB EL 50.00

#2 TOP OF BOLT @ COR FOUNDATION EL 53.83

#3 CROW'S FOOT 1.5' UP END WALL EL 53.47

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 47.0
2. THERE IS/ARE APPROX 3.4 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

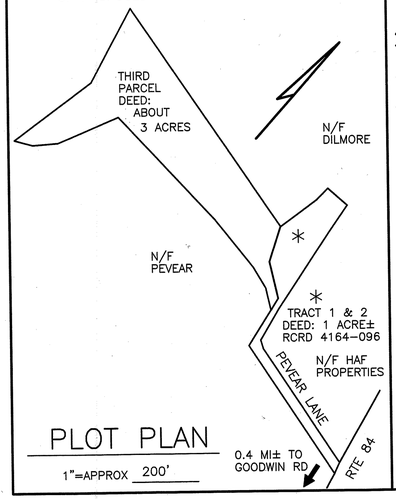
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 / (50.0) — EXISTING SPOT ELEVATION / PROPOSED SPOT ELEVATION

NOTES:

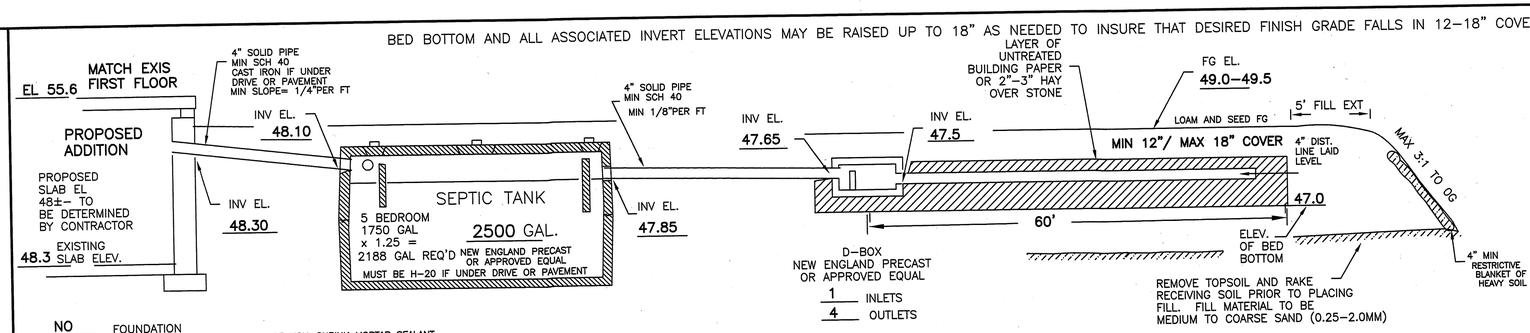
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
   RCRD 4164–0096
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.

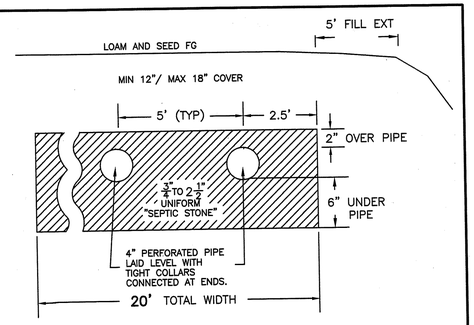


PLOT PLAN

1"=APPROX 200'

BED BOTTOM AND ALL ASSOCIATED INVERT ELEVATIONS MAY BE RAISED UP TO 18" AS NEEDED TO INSURE THAT DESIRED FINISH GRADE FALLS IN 12–18" COVER RANGE

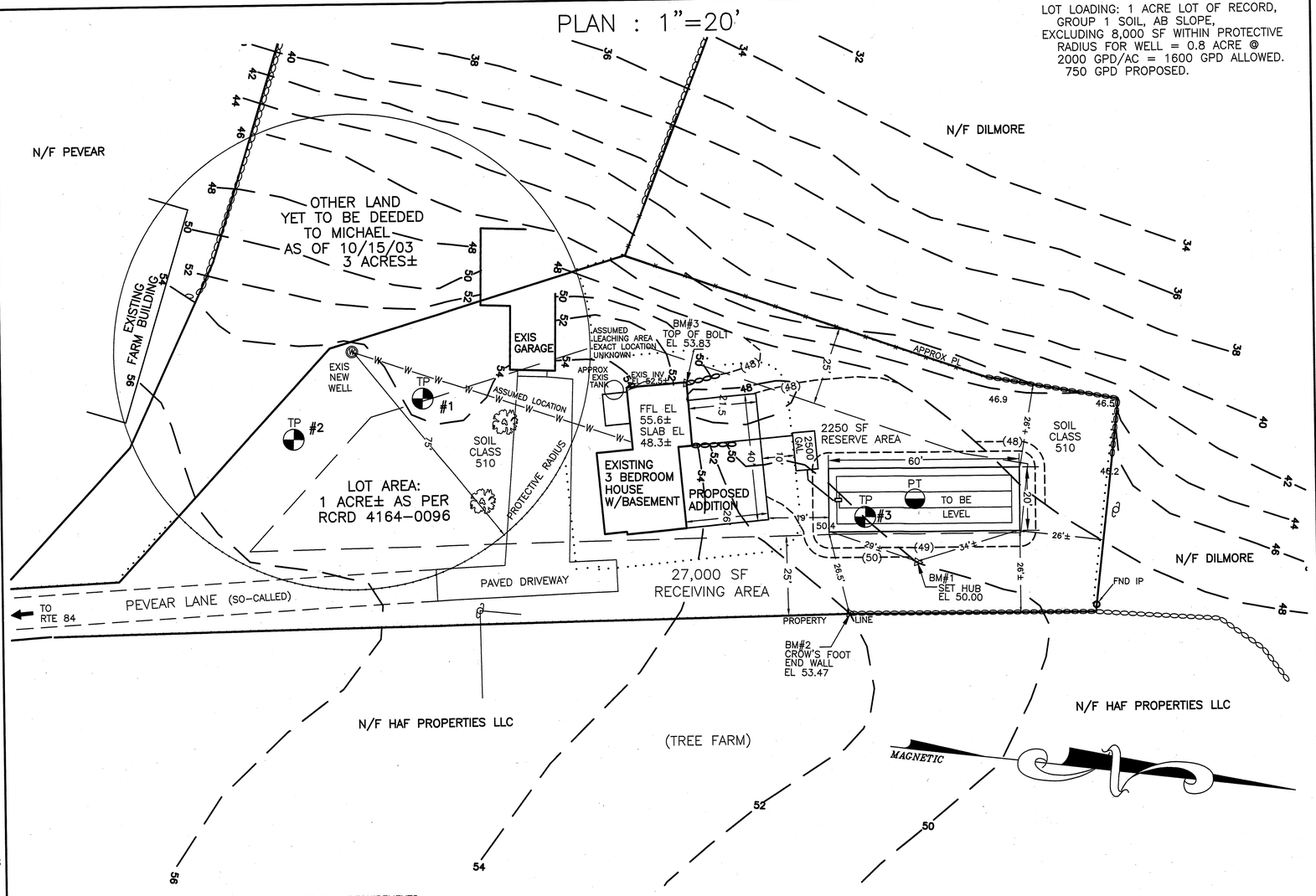

MATCH EXIS FIRST FLOOR EL 55.6
PROPOSED ADDITION
PROPOSED SLAB EL 48±– TO BE DETERMINED BY CONTRACTOR
EXISTING 48.3 SLAB ELEV.
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4"PER FT
INV EL. 48.10
INV EL. 48.30
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
SEPTIC TANK
5 BEDROOM 1750 GAL x 1.25 = 2188 GAL REQ'D
2500 GAL.
NEW ENGLAND PRECAST OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
INV EL. 47.85
INV EL. 47.65
INV EL. 47.5
D–BOX NEW ENGLAND PRECAST OR APPROVED EQUAL
1 INLETS
4 OUTLETS
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 49.0–49.5
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
60'
47.0
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
NO FOUNDATION DRAINS WITHIN 10' OF SEPTIC TANK 25' OF LEACH FIELD
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL


LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5' (TYP)
2.5'
2" OVER PIPE
¾" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'

LOT LOADING: 1 ACRE LOT OF RECORD, GROUP 1 SOIL, AB SLOPE, EXCLUDING 8,000 SF WITHIN PROTECTIVE RADIUS FOR WELL = 0.8 ACRE @ 2000 GPD/AC = 1600 GPD ALLOWED. 750 GPD PROPOSED.



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA

DATE: 10/15/03

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 53.5

0 –14" 10YR3/3 FINE SANDY LOAM (TOPSOIL)
14–108" 2.5Y5/4 MEDIUM TO COARSE COBBLY SAND LOOSE, SINGLE GRAIN

NO EVIDENCE OF SHWT, NO REFUSAL

TEST PIT #2 EL 55.0

0 – 8" TOPSOIL (SAME AS #1)
8' –96" SAME AS #1

NO EVIDENCE OF SHWT, NO REFUSAL

TEST PIT #3 EL 50.0

0 – 8" TOPSOIL (SAME AS #1)
8" – 89" SAME AS #1

NO EVIDENCE OF SHWT, NO REFUSAL

PERC TEST DATA

DATE 10/15/03

PERC RATE: < 2 MIN/IN DEPTH: 24"

DESIGN LOADING: 5 BEDROOMS

AREA REQUIRED: 938 SF X 1.25 (HAMPTON FALLS) = 1173 SF REQUIRED

AREA PROPOSED: 20' X 60' = 1200 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: 8 PEVEAR LANE
HAMPTON FALLS, NH

OWNER: PAUL & KIMBERLY MICHAEL
8 PEVEAR LANE
HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems — Ann W. Bialobrzeski No. 348 — Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: 10/15/03

APPROVAL: CA2003058281

401SEPTIC2.DWG